

LPC

Environmental fact sheet



The Hycast® LPC (Low Pressure Casting) Billet Casting Technology is designed for the production of high quality extrusion billets with excellent surface quality and extrudability. Hycast® LPC gives you a billet with a unique and step change surface quality. Hycast® LPC Billet Casting Technology is ideal for production of larger diameters and hard alloys. Diameter range proven 90mm-520mm (3,5"-20,5"). Suitable for 1xxx, 2xxx, 3xxx, 4xxx, 5xxx, 6xxx, 7xxx and 8xxx alloys.

Hycast® LPC – Environmental data

- Narrow and lean inverse segregation zone gives less inflow during extrusion - potentially 40-50% reduced butt-end
- Carbon footprint, cradle-to-gate: 2.0 tCO₂e/ton drop weight (typical)
- No direct climate emissions during operation
- Casting oil consumption: 15 ml/mt billet (typical)
- Electrical power consumption: 0.4 kWh/mt billet (typical)
- Net cooling water loss: 0.4-0.45 m³/mt billet
- Expected lifetime of main equipment: >20 years